

Serial No. 09/893,687
Amdt. Dated March 31, 2005
Reply to Office Action of January 13, 2005

Docket No. K-0298

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 - 7 (Canceled)

8. (Currently Amended) A method for operating a product selling system, comprising the steps of:

- (a) ~~a client making access to providing access to~~ a web server of a product selling enterprise ~~by using through a client's own client network;~~
- (b) ~~the client allowing~~ searching ~~for~~ a required product;
- (c) ~~modeling a three dimensional (3D) image of a searched the required product and displaying a corresponding 3D image of the required product on the a web page;~~
- (d) ~~making simulating a 3D installation simulation of the product to a part in a venue in which the product is to be installed and displaying the simulated 3D installation on the web page upon reception of request from the client; and[,,]~~
- (e) ~~receiving various information required for selling the product if the client intends to buy a purchase order for the product is received, returning to any one a prior step if the client cancels the intention to buy the product a cancel order is received, and repeating the~~

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~~foregoing steps as far as there is no particular expression of intention from the client if a request for a search for alternative products is received.~~

9. (Currently Amended) A-The method as claimed in claim 8, wherein ~~the step (b)~~ includes ~~the step of ascertaining~~ allowing searching for a required product further comprises retrieving information on various for a plurality of products displayed and displaying the plurality of products and related information on the web page, personally.

10. (Currently Amended) A-The method as claimed in claim 8, wherein ~~the step (b)~~ includes ~~the step of inputting~~ allowing searching for a required product further comprises receiving information on related to a required product for and searching for a product falling on that falls within a required specification.

11. (Currently Amended) A-The method as claimed in claim 10, wherein ~~the input~~ information related to the required product includes at least one kinds of structural information related to inside/outside structures of a place of an installation site of the product and a purpose of an intended use of the product.

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12. (Currently Amended) ~~A-The~~ method as claimed in claim 8, wherein the product ~~includes any one of products given as an option~~ is a product which is intended to be installed and used in a building, ~~such as room cooling/heating appliances, various electronic appliances, sinks and cupboards, furniture, different wash basins in bath rooms, lighting fixtures, interphones, elevators, escalators, and the like.~~

13. (Currently Amended) ~~A-The~~ method as claimed in claim 8, further comprising: ~~the step of inputting receiving information on related to the part venue in which the product is to be installed at the client's option when the client makes access to the web page through the web server.~~

14. (Currently Amended) ~~A-The~~ method as claimed in claim 13, wherein the information ~~on related to the part venue in which~~ the product is to be installed ~~thereon~~ includes at least one of ~~a purpose of the a building, an inside space size, an estimated number of persons in the a room, an inside material, a type of ventilation system, an internal structure, and a floor number on which~~ the product is to be installed, ~~and the like.~~

15. (Currently Amended) ~~A-The~~ method as claimed in claim 14, wherein the information ~~on related to the part venue in which~~ the product is to be installed ~~thereon further~~

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includes an allowable load ~~when the product is home appliance, such as a cooling/heating appliance.~~

16. (Currently Amended) ~~A-The~~ method as claimed in claim 15, further comprising:
~~the step of the web server calculating and displaying a product appropriate to the allowable load and a number of the product after a step of inputting receiving the allowable load in the inputting of~~ when information ~~on~~ related to the ~~part~~ venue ~~in which~~ the product is to be installed is received:

selecting a product which is appropriate for the allowable load; and
displaying the appropriate product and related information.

17. (Currently Amended) ~~A-The~~ method as claimed in claim 13, further comprising:
~~the step of the web server recommending and displaying a 3D image of~~ selecting at least one product ~~meeting which meets requirements related to the~~ input venue information; and
displaying a corresponding 3D image of the selected product on the web page after ~~the step of inputting~~ receiving the information ~~on~~ related to the ~~part~~ venue ~~in which~~ the product is to be installed.

18. (Currently Amended) ~~A-The~~ method as claimed in claim 13, further comprising:
~~the step of the web server recommending and displaying selecting a 3D sample image~~
~~sample of at least one internal structure of a building meeting which corresponds to the input~~
~~venue information; and~~
~~displaying the 3D sample image on the web page.~~

19. (Currently Amended) ~~A-The~~ method as claimed in claim 8, further comprising:
~~the step of the client inputting receiving information on the part a venue in which the~~
~~product is to be installed thereon at the client's option after the step (c) displaying the~~
~~corresponding 3D image of the required product on the web page.~~

20. (Currently Amended) ~~A-The~~ method as claimed in claim 19, wherein the information on the ~~part~~ venue in which the product is to be installed ~~thereon~~ includes at least one of ~~a~~ purpose of the building, an inside space size, ~~an estimated number~~ persons in ~~the a~~ room, ~~an~~ inside material, a ~~type of~~ ventilation system, an internal structure, ~~and~~ a floor number ~~on which~~ the product is to be installed, ~~and the like.~~

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21. (Currently Amended) ~~A-The~~ method as claimed in claim 20, wherein the information on the ~~part~~venue in which the product is to be installed ~~thereon~~ further includes an allowable load ~~when the product is a home appliance, such as a cooling/heating appliance.~~

22. (Currently Amended) ~~A-The~~ method as claimed in claim 21, further comprising: ~~the step of the web server calculating and displaying a product appropriate to the allowable load and a number of the product after a step of inputting receiving~~ the allowable load ~~in the inputting of~~ when information on the ~~part~~venue in which the product is to be installed is received:

selecting a product which is appropriate for the allowable load; and
displaying the appropriate product and related information.

23. (Currently Amended) ~~A-The~~ method as claimed in claim 19, further comprising: ~~the step of the web server recommending and displaying a 3D image of~~ selecting at least one product ~~meeting which meets requirements related to the input~~venue information; and displaying a corresponding 3D image of the selected product on the web page after the step of inputting the receiving information on ~~related to the part~~venue in which the product is to be installed.

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24. (Currently Amended) A-The method as claimed in claim 19, further comprising:
~~the step of the web server recommending and displaying selecting a 3D sample image sample of at least one internal structure of a building meeting which corresponds to the input venue information and displaying the 3D sample image on the web page.~~

25. (Currently Amended) A-The method as claimed in claim 8, wherein ~~the step (d) simulating a 3D installation and displaying the simulated 3D installation on the web page~~ includes ~~the step of using providing a drag and drop technique in capability by which the a 3D image of the a product is may be dragged and dropped onto the a 3D image of the an internal structure of the a building displayed on the web page.~~

26. (Currently Amended) A-The method as claimed in claim 8, wherein ~~the step (d) simulating a 3D installation and displaying the simulated 3D installation on the web page~~ includes ~~the step of making providing a 3D movement of the 3D product image and/or zooming in/out a part of the product by using a selective zoom in/out function when the client requests in and out functions.~~

27. (Currently Amended) A-The method as claimed in claim 26, wherein ~~the client request is made 3D movement and the zooming in and out functions are controlled by~~

~~controlling an image by using various at least one input device devices, such as a mouse or a keyboard.~~

28. (Currently Amended) ~~A-The~~ method as claimed in claim 8, wherein ~~the step (d)~~ includes the step of the client making a real time dragging and dropping of simulating a 3D installation and displaying the simulated 3D installation on the web page further comprises allowing for repositioning the 3D product image on the web page when the client desires to change a place of adjust an installation position of the product in real time.

29. (Currently Amended) ~~A-The~~ method as claimed in claim 8, wherein ~~the step (a)~~ includes the steps of: searching for a required product further comprises:

(29a) ~~the client logging in~~ providing access to a web page, the client being one of a plurality of groups of clients classed with reference to purposes based on a classification, wherein a classification is based on a purpose of access, such as individuals or experts of the field or enterprises, and a level of expertise; and

(29b) ~~the web server~~ selectively providing products meeting to the client's purpose of access when the client is ~~logged in~~ a relevant web page and related information based on the classification.

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30. (Currently Amended) A-The method as claimed in claim 29, ~~wherein the step~~
~~(29a) includes the steps of; further comprising:~~

~~providing brief a first set of information to a web page provided for clients~~
~~classified as individuals, for an individual, non-expert classification; and~~

~~providing detail a second set of information on various a plurality of products to~~
~~a web page provided for clients classified as experts of the field of enterprises, and receiving~~
~~information the client suggests and receiving additional information for an expert classification,~~
~~wherein the second set of information is more detailed than the first set of information.~~

31. (Currently Amended) A-The method as claimed in claim 30, wherein the ~~detail~~
~~second set of information on products includes brief the first set of information of the products~~
~~provided to the client classified as individuals.~~

32. (Currently Amended) A-The method as claimed in claim 30, ~~wherein, in a case the~~
~~client selects types of buildings from information provided on the web page, the selected~~
~~building is enabled in further comprising:~~

~~enabling a 3D graphic representation of a selected building by using a separate graphic~~
~~program built in communication with the web page when a request for a types of buildings~~
~~option is received; and~~

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,~~when the client selects a product, the~~
~~placing a~~ selected product is placed into the enabled 3D graphic representation of a
selected building for simulation of installation.

33. (Currently Amended) AThe method as claimed in claim 30, ~~wherein, in a case the~~
~~client presents~~ further comprising:

~~receiving~~ drawings of a building ~~the client has~~ to the web page, the web server enables;
~~representing~~ the presented building in a 3D graphic ~~by~~ image using a separate graphic
program ~~built~~ in communication with the web page; and
,~~when the client selects a product, the~~ placing a 3D graphic image of a selected product
is placed into the enabled 3D graphic image of the building for simulation of installation.

34. (Currently Amended) AThe method as claimed in claim 30, ~~wherein, in a case the~~
~~client presents~~ design drawings of a building intended to build later, the web server compares
further comprising:

~~comparing~~ information ~~on various~~ related to a plurality of products stored in ~~the~~ a data
base to ~~the~~ design drawings of the ~~a~~ building; and ~~searching and presenting~~
~~selecting~~ a product ~~fit~~ and fitting the product to an internal structure of the building on
the design drawings.

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35. (Currently Amended) ~~A~~The method as claimed in claim 34, wherein the client presents the design drawings of the building by converting the design drawings into data, and transmitting further comprising:

receiving an email with a file of the containing design drawings which have been converted into data in an e-mail.

36. (Currently Amended) ~~A~~The method as claimed in claim 35, wherein the step of the web server presenting a fitting the product fit to the internal structure of the building includes the step of applying the product to the design drawings of the building that have been converted into data, and transmitting to the client the product fit to the internal structure in an e-mail.

37. (Currently Amended) ~~A~~The method as claimed in claim 34, wherein the step of the web server presenting selecting a product fit and fitting the product to the internal structure of the building includes the step of making simulation of simulating an application of the product to the internal structure of the building on the design drawings, and displaying the simulation on the web page.

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38. (Currently Amended) ~~A-The~~ method as claimed in claim 8, further comprising:
~~the step of storing client information received from the client required for a purchase in~~
a data base when ~~a purchase order is received by~~ the web server of the product selling enterprise
~~receives information required for determination of buy of the product from the client.~~

39. (Currently Amended) ~~A-The~~ method as claimed in claim 38, wherein the client
~~information on the client required for determination of buy received at the product selling~~
~~enterprises required for a purchase includes a kind type of product, a number quantity of the~~
products, and a delivery due date of the product.

40. (Currently Amended) ~~A-The~~ method as claimed in claim 38, further comprising:
~~the step of providing an option proportional to a total amount of money involved when~~
the product selling enterprise receives ~~the client information on determination of buy of the~~
~~product from the client required for a purchase.~~

41. (Currently Amended) ~~A-The~~ method as claimed in claim 40, wherein the option to
~~the client from the product selling enterprise includes at least one selected from of a discount~~
ratio proportional to a total amount of money involved, separate goods (~~gifts~~) or, a cash rebate,

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and a discount ratio applicable when ~~the client buys~~ purchasing a product of the product selling enterprise~~[],~~] and other enterprises associated with the product selling enterprises enterprise.

42. (New) The method as claimed in claim 12, wherein the product comprises one of a heating/cooling appliance, an electronic appliance, a sink, a cupboard, furniture, lighting fixtures, interphones, elevators, or escalators.

43. (New) The method as claimed in claim 15, wherein the product comprises a home appliance.

44. (New) The method as claimed in claim 16, further comprising:
performing a calculation based on the information provided; and
selecting an appropriate product based on a result of the calculation.

45. (New) The method as claimed in claim 16, wherein the related information comprises a model number of the selected product.

46. (New) The method as claimed in claim 21, wherein the product comprises a home appliance.

47. (New) The method as claimed in claim 33, wherein the building comprises an existing structure.

48. (New) The method as claimed in claim 34, wherein the building comprises a structure which has not yet been built.

49. (New) A method for selling a product, comprising:
 providing access to a web server of a product selling enterprise;
 receiving an appropriate classification from a plurality of classifications based on a purpose of access and a level of expertise;
 searching for a required product;
 providing a first set of information related to the required product for an individual, non-expert classification;
 receiving additional information related to installation requirements for the required product and providing a second set of information related to the required product for an expert classification;
 simulating a three dimensional (3D) installation of the required product and displaying the simulated installation on a web page; and

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repeating the searching, providing, receiving, and simulating steps until a purchase order is placed.

50. (New) The method for selling a product of claim 49, further comprising:
 - receiving drawings of a building into which the required product is to be installed for an expert classification;
 - representing the building in a 3D graphic image based on the drawings received; and
 - positioning a 3D graphic image of a selected product in the 3D graphic image of the building and simulating an installation of the product in the building.